FIG. 10 PRIOR ART

VIDEO SIGNAL → INTEGRATING MEANS 101 → SUMnj → STORAGE MEANS 102 → AVERAGING MEANS 103 → DIVIDING MEANS 105 → FLICKER DECIDING MEANS 106

104 (dashed box):
ADDING SECTION 107 → STORAGE SECTION 108 → STATIC PORTION EXTRACTING SECTION 109 → DIVIDING MEANS 105

FIG. 11   PRIOR ART

50Hz

10Hz

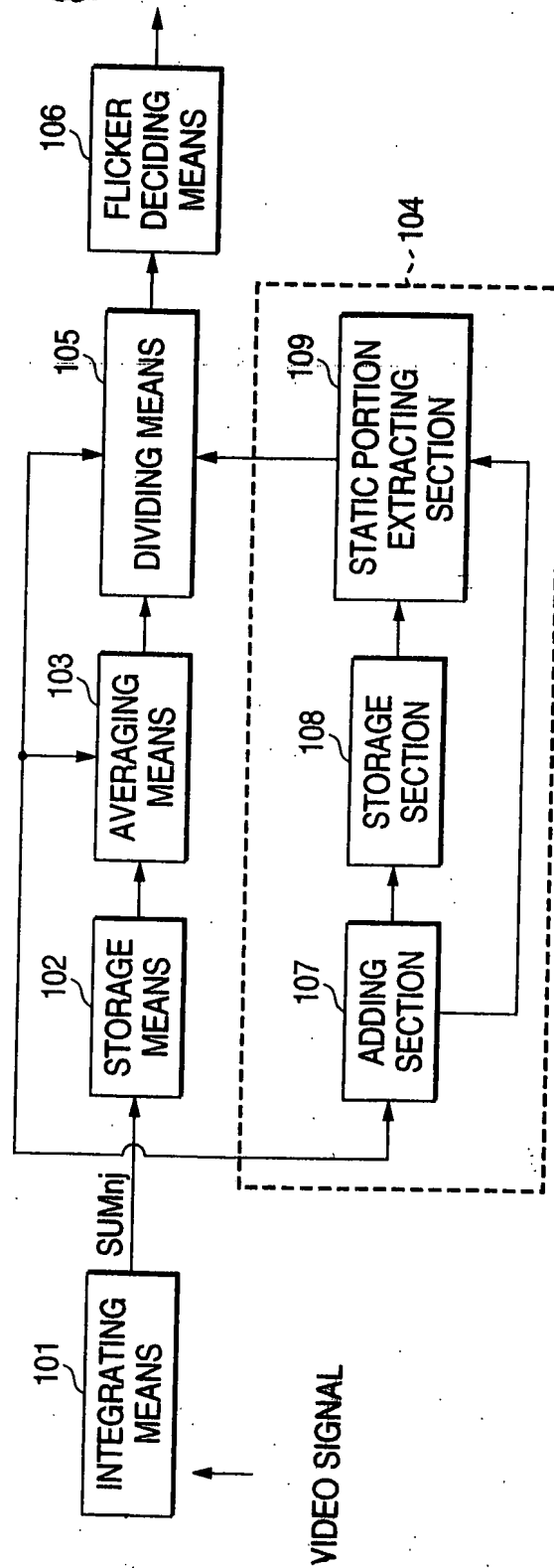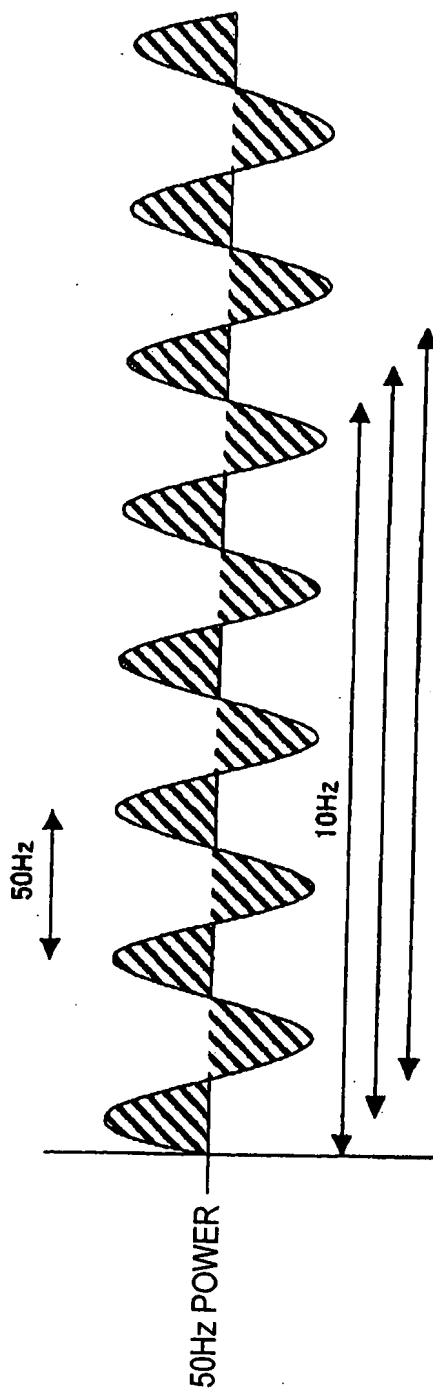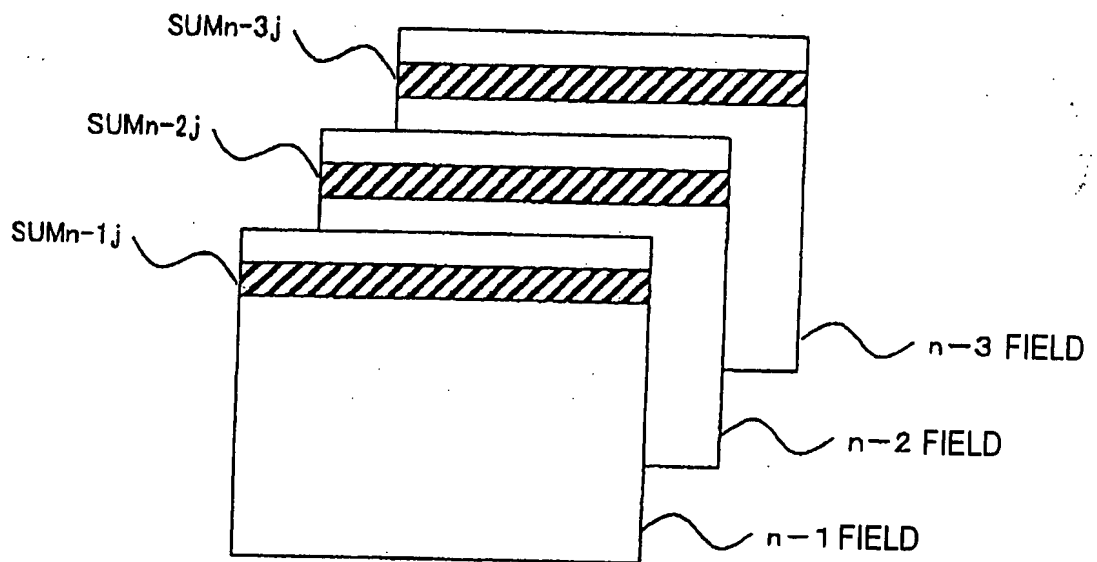50Hz POWER

IN THE CASE IN WHICH A FRAME RATE IS 30Hz AT A POWER OF 50Hz, AN INTEGRATION OF THREE FRAMES (10Hz) IS EQUIVALENT IRRESPECTIVE OF THE SAMPLING IN ANY TIMING. THEREFORE, IT IS POSSIBLE TO REMOVE A FLICKER COMPONENT BY THE INTEGRATION OF THREE FIELDS.

FIG. 12   PRIOR ART

SUMn-3j

SUMn-2j

SUMn-1j

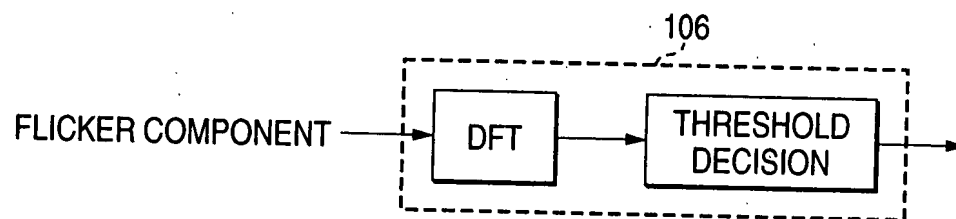n−3 FIELD

n−2 FIELD

n−1 FIELD

A SIGNAL OBTAINED BY AVERAGING A PREDETERMINED
AREA CORRESPONDING TO A PLURALITY OF FRAMES
(THREE FRAMES IN A CONVENTIONAL EXAMPLE)
HAS NO FLICKER COMPONENT

$AVEnj = (SUMn-1j + SUMn-2j + SUMn-3j) / 3$

FIG. 13   PRIOR ART

FLICKER COMPONENT = SUMn-1j /AVEnj

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FLICKER COMPONENT $\longrightarrow$ DFT $\longrightarrow$ THRESHOLD DECISION $\longrightarrow$

DFT (DESCRETE FOURIER TRANSFORM) $X(\omega) = 1/2\pi \cdot \int x(t) e^{-i\omega t} dt$
OR
DFT CONVERSION TABLE